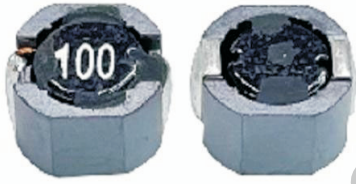


Shielded Power Inductors CDRI-**AL Series

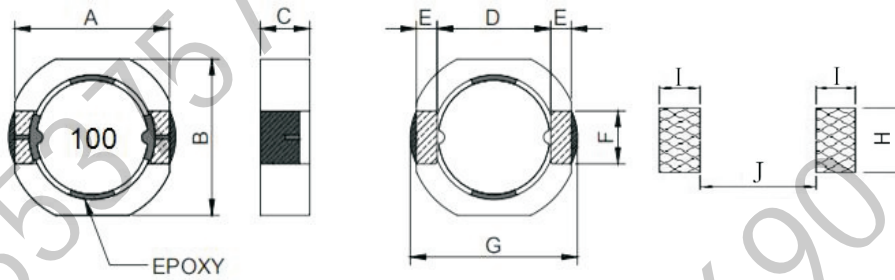
Product Identification:



CDRI - **6045AL** - **1R0** **N**
(1) (2) (3) (4)

- (1) Type
- (2) Dimensions(L*H)
- (3) Inductance (1R0=1.0uH, 100=10uH, 101=100uH)
- (4) Tolerance(K(±10%), L(±15%), M(±20%),N(±30%))

DIMENSIONS DRAWING:



Shape and Dimensions								Recommended Pattern		
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	J(mm)
CDRI-6045AL	6.2±0.3	6.0±0.2	4.5±0.3	4.6Typ	0.8Typ	2.0Typ	7.2Max	2.2Typ	1.5Typ	4.0Typ
CDRI-7030AL	7.5±0.5	7.5±0.5	3.0Max	5.6Typ	1.0Typ	2.5Typ	9.2Max	2.8Typ	1.5Typ	5.4Typ
CDRI-7040AL	7.5±0.5	7.5±0.5	4.0Max	5.6Typ	1.0Typ	2.5Typ	9.2Max	2.8Typ	1.5Typ	5.4Typ
CDRI-7045AL	7.5±0.5	7.5±0.5	4.5Max	5.6Typ	1.0Typ	2.5Typ	9.5Max	2.8Typ	2.0Typ	5.4Typ
CDRI-7060AL	7.5±0.5	7.5±0.5	6.0Max	5.4Typ	1.0Typ	2.5Typ	9.2Max	2.8Typ	1.5Typ	5.4Typ

Shielded Power Inductors CDRI-6045AL Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) ±30%	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CDRI-6045AL-1R0□	1.0	N	100K/0.1V	11	6.7	4.8	1R0
CDRI-6045AL-1R5□	1.5	N	100K/0.1V	13	5.5	4.5	1R5
CDRI-6045AL-2R2□	2.2	N	100K/0.1V	15	4.2	4.1	2R2
CDRI-6045AL-3R3□	3.3	N	100K/0.1V	19	3.5	3.7	3R3
CDRI-6045AL-4R7□	4.7	N	100K/0.1V	23	3.1	3.3	4R7
CDRI-6045AL-6R8□	6.8	N	100K/0.1V	27	2.5	3.1	6R8

(1).Specify the inductance tolerance, K(±10%), L(±15%), M(±20%),N(±30%)

(2).IDC1:Base on temp.rise & ΔL/L0A ≤ 35% MAX

(3).IDC2:Temp.rise 40°C Typ

(4).Operating temp.: -40°C to +125°C

※:Rated DC Current : The less value which is IDC1 or IDC2

Shielded Power Inductors CDRI-6045AL Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) ±30%	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CDRI-6045AL-100□	10	M, N	100K/0.1V	35	2.1	2.6	100
CDRI-6045AL-150□	15	M, N	100K/0.1V	60	1.7	3	150
CDRI-6045AL-220□	22	M, N	100K/0.1V	75	1.4	1.8	220
CDRI-6045AL-330□	33	M, N	100K/0.1V	100	1.1	1.6	330
CDRI-6045AL-470□	47	M, N	100K/0.1V	130	0.97	1.4	470
CDRI-6045AL-680□	68	M, N	100K/0.1V	200	0.81	1.1	680
CDRI-6045AL-101□	100	M, N	100K/0.1V	320	0.61	0.86	101
CDRI-6045AL-331□	330	M, N	100K/0.1V	1500	0.47	0.45	331
CDRI-6045AL-471□	470	M, N	100K/0.1V	1680	0.27	0.27	471
CDRI-6045AL-222□	2200	M, N	100K/0.1V	1750	0.08	0.1	222

Shielded Power Inductors CDRI-7030AL Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) ±20%	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CDRI-7030AL-1R0□	1.0	N	100K/0.1V	9.27	9.0	6.5	1R0
CDRI-7030AL-2R2□	2.2	N	100K/0.1V	19.2	5.5	4.6	2R2
CDRI-7030AL-2R7□	2.7	N	100K/0.1V	20.5	5.3	4.4	2R7
CDRI-7030AL-3R3□	3.3	N	100K/0.1V	22.5	4.1	4.2	3R3
CDRI-7030AL-4R7□	4.7	M, N	100K/0.1V	30	3.3	3.5	4R7
CDRI-7030AL-5R0□	5.0	N	100K/0.1V	30	3.3	3.5	5R0
CDRI-7030AL-6R8□	6.8	N	100K/0.1V	40	3.1	3.1	6R8
CDRI-7030AL-8R0□	8.0	N	100K/0.1V	52	3.0	2.6	8R0
CDRI-7030AL-100□	10	M, N	100K/0.1V	70	2.9	2.0	100
CDRI-7030AL-220□	22	M, N	100K/0.1V	140	2.0	1.7	220
CDRI-7030AL-330□	33	M, N	100K/0.1V	175	1.7	1.2	330
CDRI-7030AL-470□	47	M, N	100K/0.1V	265	1.5	1.0	470
CDRI-7030AL-101□	100	M, N	100K/0.1V	575	1.0	0.65	101

(1).Specify the inductance tolerance, K(±10%), L(±15%), M(±20%),N(±30%)

(2).IDC1:Base on temp.rise & $\Delta L/L0A \leq 35\%$ MAX

(3).IDC2:Temp.rise 40°C Typ

(4).Operating temp.: -40°C to +125°C

※:Rated DC Current : The less value which is IDC1 or IDC2

Shielded Power Inductors CDRI-7040AL Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) ±20%	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CDRI-7040AL-1R0□	1.0	N	100K/0.1V	5.35	7.30	8.00	1R0
CDRI-7040AL-1R5□	1.5	N	100K/0.1V	7.20	7.20	6.80	1R5
CDRI-7040AL-2R0□	2.0	N	100K/0.1V	8.00	7.00	6.50	2R0
CDRI-7040AL-2R2□	2.2	N	100K/0.1V	8.00	7.00	6.50	2R2
CDRI-7040AL-3R3□	3.3	N	100K/0.1V	11.22	5.40	5.50	3R3
CDRI-7040AL-4R7□	4.7	M, N	100K/0.1V	14.10	4.60	4.90	4R7
CDRI-7040AL-5R6□	5.6	M, N	100K/0.1V	16.00	4.10	4.60	5R6
CDRI-7040AL-6R8□	6.8	M, N	100K/0.1V	22.20	3.90	3.50	6R8
CDRI-7040AL-8R2□	8.2	M, N	100K/0.1V	30.00	3.50	3.00	8R2
CDRI-7040AL-100□	10	M, N	100K/0.1V	34.60	3.20	2.80	100
CDRI-7040AL-150□	15	M, N	100K/0.1V	47.00	2.50	2.30	150
CDRI-7040AL-180□	18	M, N	100K/0.1V	57.50	2.30	2.25	180
CDRI-7040AL-220□	22	M, N	100K/0.1V	58.00	2.20	2.20	220
CDRI-7040AL-330□	33	M, N	100K/0.1V	95.00	1.80	2.00	330
CDRI-7040AL-470□	47	M, N	100K/0.1V	165.0	1.30	1.35	470
CDRI-7040AL-820□	82	M, N	100K/0.1V	312	1.20	0.85	820
CDRI-7040AL-101□	100	M, N	100K/0.1V	400	1.10	0.82	101
CDRI-7040AL-121□	120	M, N	100K/0.1V	469	1.00	0.75	121
CDRI-7040AL-151□	150	M, N	100K/0.1V	665	0.92	0.65	151

Shielded Power Inductors CDRI-7045AL Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) ±20%	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CDRI-7045AL-1R5□	1.5	N	100K/0.1V	6.50	9.00	8.00	1R5
CDRI-7045AL-2R2□	2.2	N	100K/0.1V	8.63	7.30	6.50	2R2
CDRI-7045AL-3R3□	3.3	N	100K/0.1V	10.24	5.80	5.50	3R3
CDRI-7045AL-4R7□	4.7	M, N	100K/0.1V	14.50	5.20	5.40	4R7

(1).Specify the inductance tolerance, K(±10%), L(±15%), M(±20%),N(±30%)

(2).IDC1:Base on temp.rise & $\Delta L/L0A \leq 35\%$ MAX

(3).IDC2:Temp.rise 40°C Typ

(4).Operating temp.: -40°C to +125°C

※:Rated DC Current : The less value which is IDC1 or IDC2

Shielded Power Inductors CDRI-7045AL Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR(mΩ) ±20%	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CDRI-7045AL-6R8□	6.8	M, N	100K/0.1V	19.20	4.00	4.38	6R8
CDRI-7045AL-100□	10	M, N	100K/0.1V	28.94	3.50	3.50	100
CDRI-7045AL-180□	18	M, N	100K/0.1V	51.43	2.70	2.80	180
CDRI-7045AL-220□	22	M, N	100K/0.1V	54.32	2.40	2.60	220
CDRI-7045AL-330□	33	M, N	100K/0.1V	82.48	2.10	2.00	330
CDRI-7045AL-470□	47	M, N	100K/0.1V	110.0	1.60	1.80	470
CDRI-7045AL-680□	68	M, N	100K/0.1V	165	1.40	1.40	680
CDRI-7045AL-101□	100	M, N	100K/0.1V	330	1.20	1.10	101
CDRI-7045AL-221□	220	M, N	100K/0.1V	800	0.80	0.70	221
CDRI-7045AL-331□	330	M, N	100K/0.1V	1130	0.70	0.55	331

Shielded Power Inductors CDRI-7060AL Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR(mΩ) ±20%	IDC1 (A) Max.	IDC2 (A) Max.	MARK
CDRI-7060AL-2R0□	2.0	N	100K/0.1V	8.6	10.50	6.60	2R0
CDRI-7060AL-2R2□	2.2	N	100K/0.1V	8.6	10.50	6.60	2R2
CDRI-7060AL-3R3□	3.3	N	100K/0.1V	12.2	7.50	5.35	3R3
CDRI-7060AL-4R7□	4.7	M, N	100K/0.1V	16.8	7.00	4.70	4R7
CDRI-7060AL-5R2□	5.2	N	100K/0.1V	18.3	6.30	4.55	5R2
CDRI-7060AL-6R2□	6.2	N	100K/0.1V	21.0	5.80	4.30	6R2
CDRI-7060AL-6R8□	6.8	M, N	100K/0.1V	22.0	5.30	4.10	6R8
CDRI-7060AL-100□	10	M, N	100K/0.1V	26.9	4.50	3.70	100
CDRI-7060AL-150□	150	M, N	100K/0.1V	32.6	3.60	3.30	180
CDRI-7060AL-220□	22	M, N	100K/0.1V	50.8	3.00	2.60	220
CDRI-7060AL-330□	33	M, N	100K/0.1V	92.5	2.50	2.00	330
CDRI-7060AL-470□	47	M, N	100K/0.1V	150.0	2.00	1.45	470
CDRI-7060AL-680□	68	M, N	100K/0.1V	290	1.80	1.00	680
CDRI-7060AL-820□	82	M, N	100K/0.1V	410	1.60	0.85	820
CDRI-7060AL-101□	100	M, N	100K/0.1V	510	1.40	0.80	101
CDRI-7060AL-121□	120	M, N	100K/0.1V	560	1.3	0.75	121
CDRI-7060AL-151□	150	M, N	100K/0.1V	650	1.2	0.72	151
CDRI-7060AL-181□	180	M, N	100K/0.1V	710	1.1	0.68	181
CDRI-7060AL-221□	220	M, N	100K/0.1V	770	0.9	0.55	221

(1).Specify the inductance tolerance, K(±10%), L(±15%), M(±20%),N(±30%)

(2).IDC1:Base on temp.rise & $\Delta L/L0A \leq 35\%$ MAX

(3).IDC2:Temp.rise 40°C Typ

(4).Operating temp.: -40°C to +125°C

※:Rated DC Current : The less value which is IDC1 or IDC2